

OXIDATIVE DAMAGE & REPAIR

THE 5TH BIENNIAL MEETING OF THE INTERNATIONAL SOCIETY FOR FREE RADICAL RESEARCH
Hosted by *The Oxygen Society*; Sponsored by *The Institute for Toxicology, University of Southern California*

November 14th-20th, 1990 in Pasadena, California, U.S.A.

SCIENTIFIC PROGRAM

The following speakers and session chairs have been invited to participate in the program:

Morning Plenary Session Chairs

Britton Chance, University of Pennsylvania, USA
Mario U. Dianzani, University of Turin, Italy
Osamu Hayaishi, Osaka Medical College, Japan
Paul Hochstein, University of Southern California, USA
Lars Ernster, University of Stockholm, Sweden
Catherine Rice-Evans, Royal Free Hospital School of Medicine, England
Irwin Fridovich, Duke University, USA
Trevor Slater, Brunel University, England
Janusz M. Gebicki, Macquarie University, Australia
Kunio Yagi, Institute of Applied Biochemistry, Mitake, Japan

Session 1 - Oxidative Stress Genes and Proteins

Morning Plenary Speaker: Bruce N. Ames, University of California, Berkeley, USA
Afternoon Session Chair: John Eaton, University of Minnesota, USA
Afternoon Invited Speakers: Daniele Touati, University of Paris, France
Rex M. Tyrrell, Swiss Institute for Experimental Cancer Research, Switzerland
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 2 - Oxidative Modification of Lipoproteins in Atherosclerosis

Morning Plenary Speaker: Daniel Steinberg, University of California, San Diego, USA
Afternoon Session Chair: Mario Comporti, University of Siena, Italy
Afternoon Invited Speakers: Herman Esterbauer, University of Graz, Austria
Maggie Haberland, University of California, Los Angeles, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 3 - Intracellular Generation of Free Radicals

Morning Plenary Speaker: Alberto Boveris, University of Buenos Aires, Argentina
Afternoon Session Chair: Lester Packer, University of California, Berkeley, USA
Afternoon Invited Speakers: Makoto Suematsu, Keio University, Japan
Hans Nohl, Veterinary University of Vienna, Austria
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 4 - Spin Trapping and New Developments in EPR

Morning Plenary Speaker: Edward G. Janzen, University of Guelph, Canada
Afternoon Session Chair: Donald C. Borg, Brookhaven National Laboratory, USA
Afternoon Invited Speakers: Ohara Augusto, University of Sao Paolo, Brazil
B. Kalyanaraman, Medical College of Wisconsin, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 5 - DNA Damage and Repair

Morning Plenary Speaker: Bruce Demple, Harvard University, USA
Afternoon Session Chair: Robert Floyd, Oklahoma Medical Research Foundation, USA
Afternoon Invited Speakers: Bernard Weiss, Johns Hopkins University, USA
Paul Doetsch, Emory University, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 6 - Free Radical Chemistry and Radiochemistry

Morning Plenary Speaker: Robin L. Wilson, Brunel University, England
Afternoon Session Chair: Gidon Czapski, Hebrew University, Israel
Afternoon Invited Speakers: K. Dieter Asmus, Hahn Meitner Institute, West Germany
Wolf Bors, Institute for Radiation Biology, Neuherberg, West Germany
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 7 - Antioxidant Compounds

Morning Plenary Speaker: Etsuo Niki, University of Tokyo, Japan
Afternoon Session Chair: Michael G. Simic, National Bureau of Standards, USA
Afternoon Invited Speakers: Donald J. Reed, Oregon State University, USA
Giuseppe Rotilio, City University of Rome, Italy
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 8 - Photooxidative Stress & Photodynamic Therapy

Morning Plenary Speaker: Thomas J. Dougherty, Roswell Park Cancer Institute, USA
Afternoon Session Chair: Norman I. Krinsky, Tufts University, USA
Afternoon Invited Speakers: Helmut Sies, University of Dusseldorf, West Germany
Christopher S. Foote, University of California, Los Angeles, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 9 - Protein Damage and Repair

Morning Plenary Speaker: Earl R. Stadtman, National Heart, Lung, and Blood Institute, USA
Afternoon Session Chair: Roger T. Dean, The Heart Research Institute, Sydney, Australia
Afternoon Invited Speakers: Samuel M. Rapoport, Alexander von Humboldt University, East Germany
John Gutteridge, National Institute for Biological Standards, England
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 10 - Mechanisms of Ischemia/Reperfusion Injury

Morning Plenary Speaker: Joe M. McCord, University of South Alabama, USA
Afternoon Session Chair: Bruce A. Freeman, University of Alabama at Birmingham, USA
Afternoon Invited Speakers: William B. Weglicki, George Washington Medical Center, USA
Arduino Arduini, University of Chieti, Italy
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 11 - Metabolic Regulation in Oxidative Stress

Morning Plenary Speaker: Sten Orrenius, Karolinska Institute, Sweden
Afternoon Session Chair: Eduardo Lissi, University of Santiago, Chile
Afternoon Invited Speakers: Timothy M. Chan, University of Southern California, USA
William E.M. Lands, University of Illinois, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 12 - Smog

Morning Plenary Speaker: William A. Pryor, Louisiana State University, Baton Rouge, USA
Afternoon Session Chair: Don Tierney, University of California, Los Angeles, USA
Afternoon Invited Speakers: Bernard D. Goldstein, Rutgers Medical School, USA
Masaru Sagai, National Institute for Environmental Studies, Japan
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 13 - Lipid Damage and Repair

Morning Plenary Speaker: Alex Sevanian, University of Southern California, USA
Afternoon Session Chair: Al L. Tappel, University of California, Davis, USA
Afternoon Invited Speakers: William F. Zimmerman, Amherst College, USA
Bertram Lubin, Childrens Hospital, Oakland, USA
Afternoon Selected Speakers: 4 speakers to be selected from submitted abstracts

Session 14 - Antioxidant Enzymes

Morning Plenary Speaker:

Cecil B. Pickett, Merck Frosst Inc., Canada

Afternoon Session Chair:

C. Channa Reddy, Penn State University, USA

Afternoon Invited Speakers:

Enrique Cadenas, University of Southern California, USA

Afternoon Selected Speakers:

Fulvio Ursini, University of Padova, Italy

4 speakers to be selected from submitted abstracts

Session 15 - Inflammation

Morning Plenary Speaker:

Bengt Samuelsson, Karolinska Institute, Sweden

Afternoon Session Chair:

Bernard M. Babior, Scripps Clinic & Research Foundation, USA

Afternoon Invited Speakers:

Peter A. Ward, University of Michigan, USA

Afternoon Selected Speakers:

Lawrence J. Marnett, Vanderbilt University, USA

4 speakers to be selected from submitted abstracts

Session 16 - Antioxidant Therapy: Ischemia/Reperfusion, Burn/Trauma

Morning Plenary Speaker:

David J. Hearse, The Rayne Institute, England

Afternoon Session Chair:

Gregory Bulkley, Johns Hopkins University, USA

Afternoon Invited Speakers:

Toshikazu Yoshikawa, Kyoto Prefectural University of Medicine, Japan

Afternoon Selected Speakers:

Neil D. Granger, Louisiana State University, Shreveport, USA

4 speakers to be selected from submitted abstracts

Session 17 - Cytochrome P-450 and Oxidative Stress

Morning Plenary Speaker:

Ronald W. Estabrook, University of Texas, USA

Afternoon Session Chair:

Albrecht Wendel, University of Tubingen, West Germany

Afternoon Invited Speakers:

Minor J. Coon, University of Michigan, USA

Afternoon Selected Speakers:

Volker Ullrich, University of Constance, West Germany

4 speakers to be selected from submitted abstracts

Session 18 - Cancer and Oxidative Stress

Morning Plenary Speaker:

Peter A. Cerutti, Swiss Institute for Experimental Cancer Research, Switzerland

Afternoon Session Chair:

Carmia Borek, Columbia University, USA

Afternoon Invited Speakers:

Sigmund Weitzman, Northwestern University, USA

Afternoon Selected Speakers:

Yuri A. Vladimirov, Moscow State Medical Institute, USSR

4 speakers to be selected from submitted abstracts

Session 19 - Transition Metals in Oxidative Stress

Morning Plenary Speaker:

Christine Winterbourn, Christchurch School of Medicine, New Zealand

Afternoon Session Chair:

Steven D. Aust, Utah State University, USA

Afternoon Invited Speakers:

Peter Dervan, California Institute of Technology, USA

Afternoon Selected Speakers:

Paul Ortiz de Montellano, University of California, San Francisco, USA

4 speakers to be selected from submitted abstracts

Session 20 - Antioxidant Therapy: Rheumatoid Diseases, Diseases of the Eye

Morning Plenary Speaker:

Barry Halliwell, University of London, England

Afternoon Session Chair:

Henry Betts, Queen Elizabeth Hospital, Australia

Afternoon Invited Speakers:

Alan Taylor, Tufts University, USA

Afternoon Selected Speakers:

Ingrid Emerit, Institut Biomedical des Cordeliers, Paris, France

4 speakers to be selected from submitted abstracts

"OXIDATIVE DAMAGE & REPAIR"

PROGRAM OUTLINE

| <u>TIME</u> | <u>Wednesday November 14</u> | <u>Thursday November 15</u> | <u>Friday November 16</u> | <u>Saturday November 17</u> | <u>Sunday November 18</u> | <u>Monday November 19</u> |
|-----------------|--|----------------------------------|--|--|-------------------------------|-------------------------------|
| 9:00am-10:20am | | Introductions Plenary Lecture | Plenary Lectures | Plenary Lectures | Plenary Lectures | Plenary Lectures |
| 10:20am-10:40am | | Coffee Break | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| 10:40am-12:30pm | Hotel Check-in and Conference | Plenary Lectures | Plenary Lectures | Plenary Lectures | Plenary Lectures | Plenary Lectures |
| | | | Constituent Society Business Meetings | SFRR International Business Meeting | Future Meetings | Forum |
| 12:30pm-1:30pm | | Lunch Break | Lunch Break | Lunch Break | Lunch Break | Lunch Break |
| 1:30pm-2:30pm | Registration | Poster Sessions | Poster Sessions | Poster Sessions | Poster Sessions | Poster Sessions |
| 2:30pm-5:30pm | | Afternoon Symposia | Afternoon Symposia | Afternoon Symposia | Afternoon Symposia | Afternoon Symposia |
| 5:30pm-6:30pm | | Poster Sessions | Poster Sessions | Poster Sessions | Poster Sessions | Poster Sessions |
| 7:00pm | Welcome Reception | Reception | Reception | Reception | Banquet | Farewell Reception |

Saturday November 10 through Wednesday November 14 - Pre-conference Tour (Southern California)

Wednesday November 14 through Monday November 19 - Conference (Arrive Nov. 14, Depart Nov. 20)

Tuesday November 20 through Saturday November 24 - Post-conference Tour (Northern California)

"OXIDATIVE DAMAGE & REPAIR"
DETAILED PROGRAM

| <u>TIME</u> | <u>Wednesday November 14</u> | <u>Thursday November 15</u> | <u>Friday November 16</u> | <u>Saturday November 17</u> | <u>Sunday November 18</u> | <u>Monday November 19</u> |
|--|-----------------------------------|--|--|--|--|--|
| 9:00am- 9:40am 9:40am-10:20am | | Plenary Session |
| 10:20am-10:40am 10:40am-11:20am | Hotel | Introductions Plenary Lecture 1A | Plenary Lecture 5A Plenary Lecture 6A | Plenary Lecture 9A Plenary Lecture 10A | Plenary Lecture 13A Plenary Lecture 14A | Plenary Lecture 17A Plenary Lecture 18A |
| 11:20am-12:00pm 12:00pm-12:30pm | Check-in and Conference | Coffee Break Plenary Lecture 2A | Coffee Break Plenary Lecture 7A | Coffee Break Plenary Lecture 11A | Coffee Break Plenary Lecture 15A | Coffee Break Plenary Lecture 19A |
| 12:30pm-1:30pm | Registration | Plenary Lecture 3A Plenary Lecture 4A | Plenary Lecture 8A Constituent Society Business Meetings | Plenary Lecture 12A SFRR International Business Meeting | Plenary Lecture 16A Future Meetings | Plenary Lecture 20A Forum |
| 1:30pm-2:30pm | | Lunch Break |
| 2:30pm-3:00pm 3:00pm-3:30pm | | Poster Sessions 1,2,3,4 | Poster Sessions 5,6,7,8 | Poster Sessions 9,10,11,12 | Poster Sessions 13,14,15,16 | Poster Sessions 17,18,19,20 |
| 3:30pm-4:00pm 4:00pm-4:30pm 4:30pm-5:00pm 5:00pm-5:30pm | | Parallel Sessions 1B,2B,3B,4B | Parallel Sessions 5B,6B,7B,8B | Parallel Sessions 9B,10B,11B,12B | Parallel Sessions 13B,14B,15B,16B | Parallel Sessions 17B,18B,19B,20B |
| 5:30pm-6:30pm | | Invited Lectures (4) Invited Lectures (4) |
| 7:00pm | Welcome Reception | Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4) | Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4) | Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4) | Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4) | Selected Talks (4) Selected Talks (4) Selected Talks (4) Selected Talks (4) |
| | | Poster Sessions 1,2,3,4 | Poster Sessions 5,6,7,8 | Poster Sessions 9,10,11,12 | Poster Sessions 13,14,15,16 | Poster Sessions 17,18,19,20 |
| | | Reception | Reception | Reception | "Thanksgiving" Banquet | Farewell Reception |